

# MASTERLAM<sup>®</sup> 1.0

## Automatic polishing machine with central pressure, oscillating head\* and stock removal control\*.

Automatic, single-plate Ø 250 to 300 mm polishing machine with bidirectional rotation and variable speed. Touch screen controls, intuitive and user friendly interface, MASTERLAM<sup>®</sup> machines are equipped with the best programming, parameter storage and export technologies. Control of the 4-circuit DISTRILAM<sup>®</sup> dosing unit directly integrated.

The MASTERLAM<sup>®</sup> 1.0 is equipped with a powerful central-pressure head, bidirectional rotation, variable speed and pressure. The distinctive feature of this polishing head is the oscillation function with oscillation configurable both for amplitude and frequency.

The use of the oscillating head will allow you to achieve unrivalled levels of performance and versatility: it improves the quality of flatness, increases the stock removable and the service life of polishing supports (uniform wear due to the use of the entire surface of the plate.)



### / Technical Data

Plate Capacity	Ø 250 to 300 mm
Body	Steel coated with epoxy paint
Bowl	Removable, in resin, to ease cleaning
Controls	Touch screen (5,7")
Plate rotation speed	Variable from 20 to 650 rpm Bidirectional rotation
Head's speed	Variable from 10 to 150 rpm bidirectional rotation
Applicable load	5 to 400 N central pressure
Capacity	Sample size in central pressure 6 x Ø 40 mm
Head oscillation function	Adjustable speed and amplitude (optional)
Stock removal control function	Stock removal measuring system with automatic stop, accurate to 0.02 mm (optional)
Workspace lightening	LED
Water inlet	Removable pipe, with flow rate adjustment and safety solenoid valve
Programming	60 storable programs, USB connector to backup programs and Ethernet port for networking
Cumulative machine power	1.1 kW
Voltage	230 V - 50 Hz single phase
Pneumatic feed	6 bars
Dimensions W x H x D	550 x 670 x 580 mm
Weight	80 kg
Reference	60 ML100 00



La MASTERLAM<sup>®</sup> 1.0 with the oscillation\* option, is particularly efficient for polishing large-sized samples and for superfinishing of mechanical components, prototypes or micro-series.

A stock removal control system with an automatic "stop at measurement" function is also available (accurate to 0,02 mm).

The MASTERLAM<sup>®</sup> 1.0 is a high-performance machine intended for intensive use such as in-production inspections.

### / Options

Dosing unit DISTRILAM (4 circuits)

Oscillation function

Stock removal control system

Transparent secured housing for MASTERLAM<sup>®</sup>

Filtering / sedimentation 60 L tank, recirculation pump